



**SOUTH DAKOTA  
STATE UNIVERSITY**  
College of Agriculture, Food  
and Environmental Sciences

South Dakota State University Extension  
South Dakota Agricultural Experiment Station at SDSU

# 2021 South Dakota Corn Hybrid Trial Results Miller

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**Location:** 7 miles south and 2 miles east of Miller (57362) in Hand County, SD  
44.413381°, -98.944758°

**Cooperator:** Paul Fulton

**Soil Type:** Houdek-Dudley complex, 0-2% slopes

**Fertilizer:** 100 lb/acre 30-10-10 starter + 134-52-30-15S-1.4Z preplant + 28-0-0 UAN

**Yield Goal:** 200 bu/acre

**Previous crop:** soybeans

**Tillage:** no-till

**Row spacing:** 30 inches

**Seeding Rate:** 32,000/acre

**Herbicide:** Pre: 32 oz acre RT3 (glyphosate) + 12 oz/acre 2,4-D LV6 + 32 oz/acre Acuron (s-metolachlor + atrazine + mesotrione + bicyclopyrone) + 16 oz/acre Bicep Lite II Magnum (s-metolachlor + atrazine) + 8 oz/acre Efficax (adjuvant)  
Post: 32 oz/acre Roundup Powermax (glyphosate) + 2.5 oz/acre status (dicamba + diflufenzopyr) + 1 qt/100 gal Cynder (adjuvant) + 1 oz/acre Diligence-EA (adjuvant)

**Date seeded:** 4/28/21

**Date harvested:** 10/19/21

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## 2021 South Dakota Corn Hybrid Trial Results Miller

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Table 1a. Glyphosate-resistant corn hybrid performance results (average of four replications - **Early Season Trial** (100 day maturity or less) at Miller, South Dakota.

Hybrid Information		Agronomic Performance					
Brand	Hybrid	Maturity Rating	Yield Bu/A (15.5%)	Moisture	Test Wt. (lbs/bu)	Lodging (%)	Final Stand (plants/A)
Federal Hybrids	4720 VT2P	97	<b>254.6</b>	16.0	57.6	0.0	29700
Peterson Farms Seed	78P98	98	<b>252.1</b>	15.5	58.0	0.0	29600
Renk	RK579DGV2P	99	<b>251.3</b>	15.9	58.9	0.4	30600
Farmer Check	4702 VT2P	97	<b>250.5</b>	15.2	58.4	1.1	29100
Thunder Seed	T6100 VT2P	100	<b>249.6</b>	16.3	58.9	3.1	30700
Federal Hybrids	4990 VT2P RIB	99	<b>245.3</b>	15.2	59.5	0.8	27800
Dairyland Seed	DS-3959AM	99	<b>243.1</b>	16.5	56.9	1.1	28300
Renk	RK600VT2P	100	<b>242.4</b>	15.8	59.1	1.4	29400
Federal Hybrids	5000 VT2P RIB	100	<b>242.3</b>	15.7	59.7	1.1	30200
Thunder Seed	T6298 VT2P	98	<b>242.0</b>	15.8	58.4	1.5	28200
Federal Hybrids	4999 VT2P RIB	99	237.3	14.8	59.6	0.7	27600
Thunder Seed	T6996 VT2P	96	235.1	15.0	59.4	0.7	30900
Check	DKC48-95RIB	98	233.3	15.7	60.2	1.1	28200
BH Genetics	BH6218VT2PRIB	92	233.2	13.7	59.9	0.4	29600
Federal Hybrids	4820 VT2P	98	232.8	16.0	58.7	1.1	28300
Dairyland Seed	DS-3727AM	97	230.6	16.6	58.9	0.4	27600
Peterson Farms Seed	72D00	100	230.2	15.7	58.1	0.8	27400
Dairyland Seed	DS-4000AMXT	100	229.9	16.6	58.1	0.0	27200
Peterson Farms Seed	78G95	95	229.0	15.9	57.7	1.4	30400
Thunder Seed	T6999 VT2P	99	224.9	15.2	59.5	0.3	31000
Farmer Check	DKC44-97RIB	94	219.3	15.4	60.0	0.4	27900
<b>Trial Average</b>			238.5	15.6	58.8	0.9	29000
<b>LSD (0.05)†</b>			14.8	1.0	0.7	-	1000
<b>C.V.‡</b>			4.4	4.4	0.8	-	-

\* Lodging percentage - stalks broken below the ear as a percentage of the final stand.  
† Yield or moisture value required ( $\geq$ LSD) to determine if varieties are significantly different from one another.  
‡ C.V. is a measure of variability or experimental error, 15% or less is acceptable.



## 2021 South Dakota Corn Hybrid Trial Results Miller

### SOUTH DAKOTA STATE UNIVERSITY EXTENSION

Table 2. Glyphosate-resistant corn hybrid performance results (average of four replications - **Late Season Trial** (101 day maturity or more) at Miller, South Dakota.

Hybrid Information		Agronomic Performance					
Brand	Hybrid	Maturity Rating	Yield Bu/A (15.5%)	Moisture	Test Wt. (lbs/bu)	Lodging (%)	Final Stand (plants/A)
Renk	RK625DGV2P	104	<b>243.4</b>	19.4	56.2	8.3	27800
Peterson Farms Seed	74H04	104	<b>235.7</b>	18.7	56.1	0.8	25800
Thunder Seed	T6902 VT2P	102	<b>231.9</b>	17.5	58.0	0.4	28400
Dairyland Seed	DS-4018AM	101	227.1	16.8	58.1	5.4	29500
Check	DKC48-95RIB	98	225.0	16.3	59.7	0.0	29300
Famer Check	DKC50-88RIB	100	223.9	17.0	58.2	4.0	28900
Farmer Check	5351	103	221.7	17.4	59.2	1.1	30300
Peterson Farms Seed	73P01	101	209.7	17.3	58.5	5.0	30100
<b>Trial Average</b>			227.3	17.5	58.0	3.1	28800
<b>LSD (0.05)†</b>			14.8	1.3	1.0	-	1200
<b>C.V.‡</b>			4.4	4.9	1.2	-	-

\* Lodging percentage - stalks broken below the ear as a percentage of the final stand.

† Yield or moisture value required ( $\geq$ LSD) to determine if varieties are significantly different from one another.

‡ C.V. is a measure of variability or experimental error, 15% or less is acceptable.